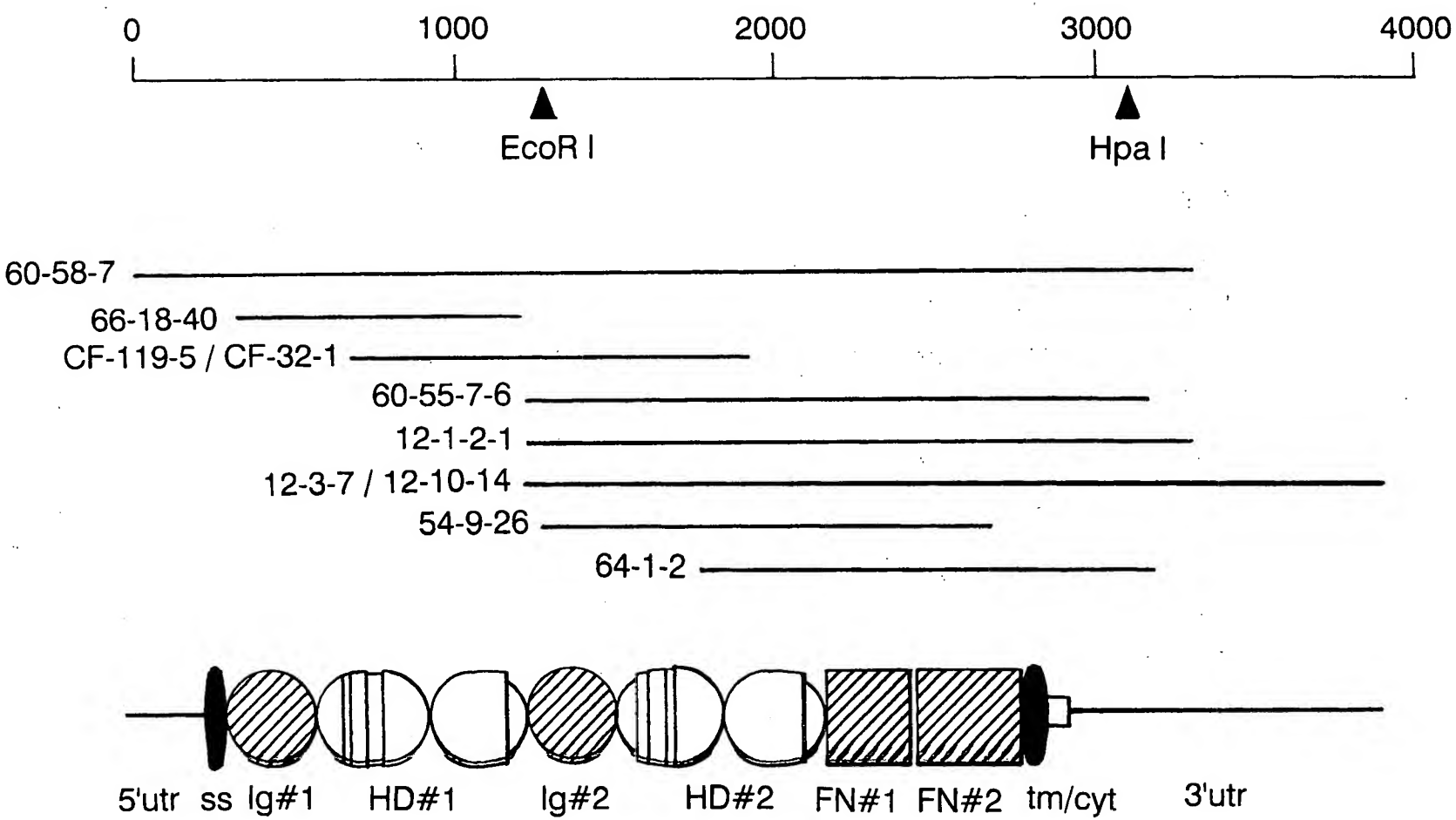


Figure 1

```
-255                                                cgaattcgcgggcgc

-240  gtcgaccgcggncccagctcgggagacatgggggcgttaaagctctcgtggnattatcc

-180  ttcagtggggstattggactgacttttcttatgctgggatgtgccttagaggattatgga

-120  tttggcagttcaccctgaccatcttgaaaataagttatctctgatctctgtctgtatgtt

 -60  acttctctcccctcaccaacggagaacaaatgtgggcaaagtgtacttctctgaagtaag

   1  ATGATTTGTCAAAAATTCTGTGTGGTTTTGTTACATTGGGAATTTATTTATGTGATAACT
   1   M  I  C  Q  K  F  C  V  V  L  L  H  W  E  F  I  Y  V  I  T

  61  GCGTTTAACTTGTCATATCCAATTACTCCTTGGAGATTTAAGTTGTcTTGCATGCCACCA
  21   A  F  N  L  S  Y  P  I  T  P  W  R  F  K  L  S  C  M  P  P

 121  AATTCAACCTATGACTACTTCCTTTTGCCTGCTGGACTCTCAAAGAATACTTCAAATTCG
  41  N  S  T  Y  D  Y  F  L  L  P  A  G  L  S  K  N  T  S  N  S
```

A - A

Figure 2A

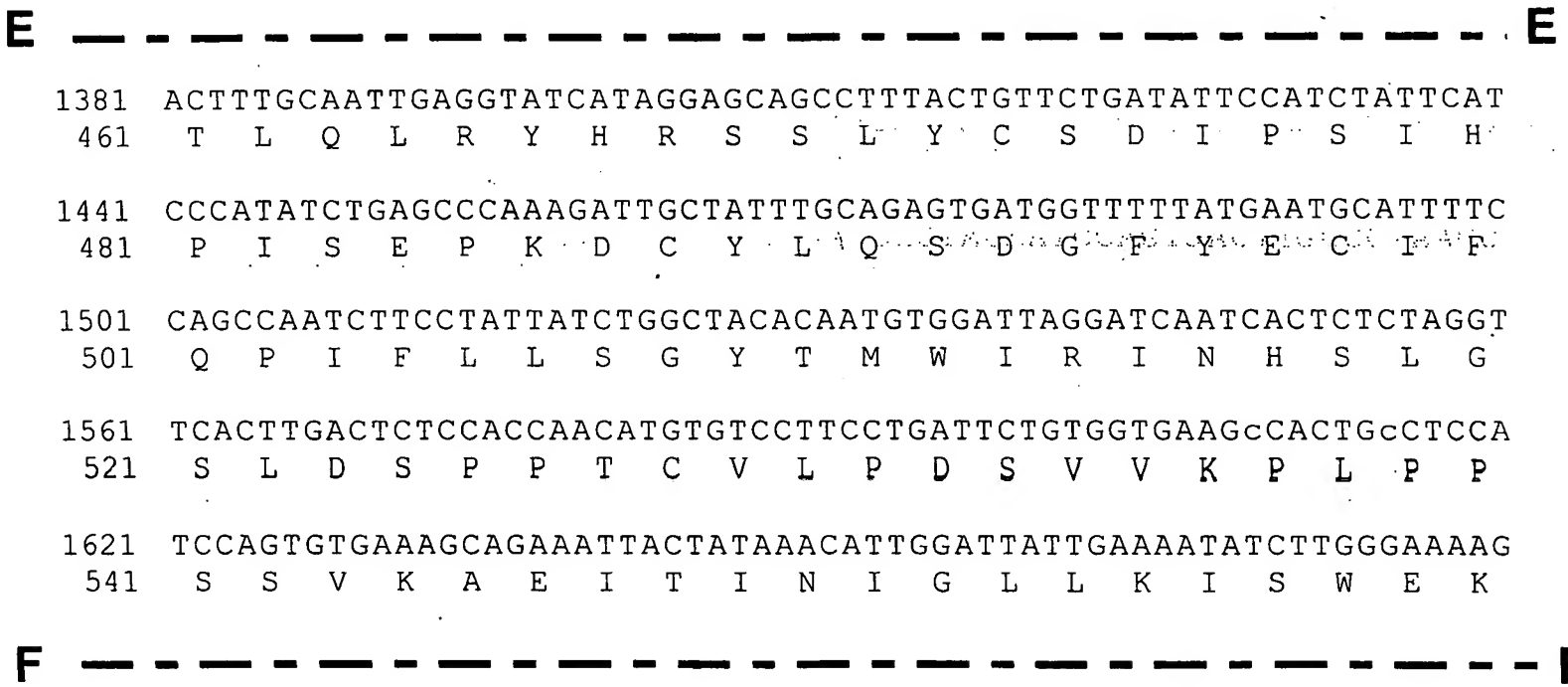
Figure 2B

Figure 2C

5/20

Figure 2D

Figure 2E



7/20

Figure 2F

8/20

Figure 2G

Figure 2H

Figure 2I

```
2581  TTAATATCACACCAAAGAATGAAAAAGCTATTTTGGGAAGATGTTCCGAACCCCAAGAAT
 861    L   I   S   H   Q   R   M   K   K   L   F   W   E   D   V   P   N   P   K   N

2641  TGTTCCTGGGCACAAGGACTTAATTTTCAGAAGAGAACGGACATTCTTTgaagtctaatc
 881    C   S   W   A   Q   G   L   N   F   Q   K   R   T   D   I   L   *

2701  atgatcactacagatgaacccaatgtgccaacttcccaacagtctatagagtattagaag
3761  atttttacattttgaagaaggggagcaaatctaaaaaaaattcagttgaacttctgagag
2821  ttaacatatggtggattatgttgatttagaacttaaaatagatgtcatttaaacccaagt
2881  tttacatctaaactcaggtcaaacctacacactaattaaaagtttagtagatttcaaatt
2941  ttcatcataagtactaaagaccgaaaactaaacagtataaggaccagtattttgtaattc
3001  ttttaataccgacaacgacagtaatgtatagataatttacagtagtttatacatcatctg
3061  ttaggacattaatccacttgagattttgacgttgtagactgtttatcgaaatttttatgt
3121  tactaatattcataccttagtcacttttataaatcaaacataaaaatacaggtttgaaaa
```


Figure 2J

J - J

3181 ggtaaaatctaaggaaatatctgtgcagtcggattttagtcggataagcccacaagaaa
3241 acttatagaggaccgtaaaaacatagattgaaacaagttagacccttaaagtcaaaagtt
3301 ataggaacttttaccgaattcactattgaaggcaaagtcaattttccttcgggcttcaac
3361 acaaacacgacgggtgtcctgtcaccctcaatgtcaagtatagtcctactgggatgtatg
3421 ggtccagtctaactgccctggtcttcccttgtagctgaagattacaggtgcgaaagaaca
3481 aattaatactggatttagattaaatgaaggtgacttggtaggttctggagaccgtccgtc
3541 cctttacccgtcactasgtttttccctctgagaaacctcgaaaatacttatcaagtacc
3601 actcctgtcttgaaaagatgaaagtctgtctgacgaacgatcaaaatacttaag

Figure 2K

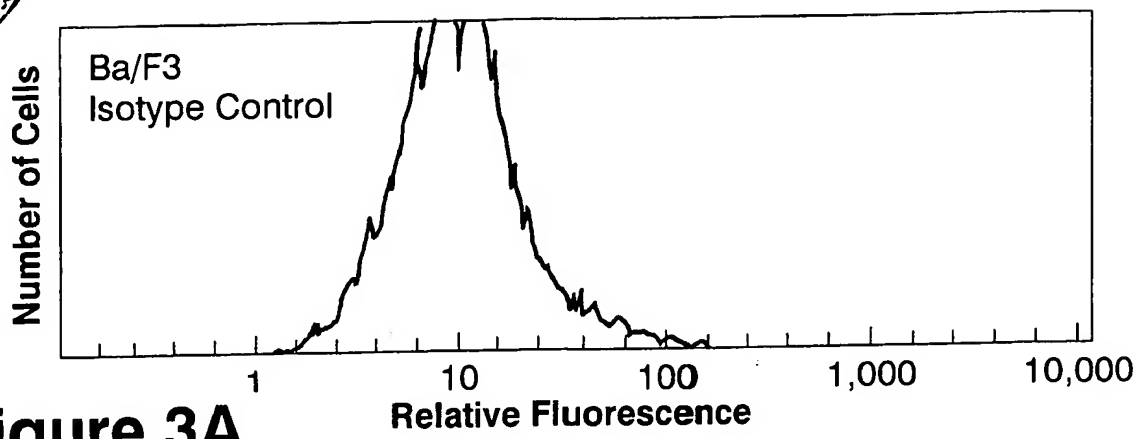


Figure 3A

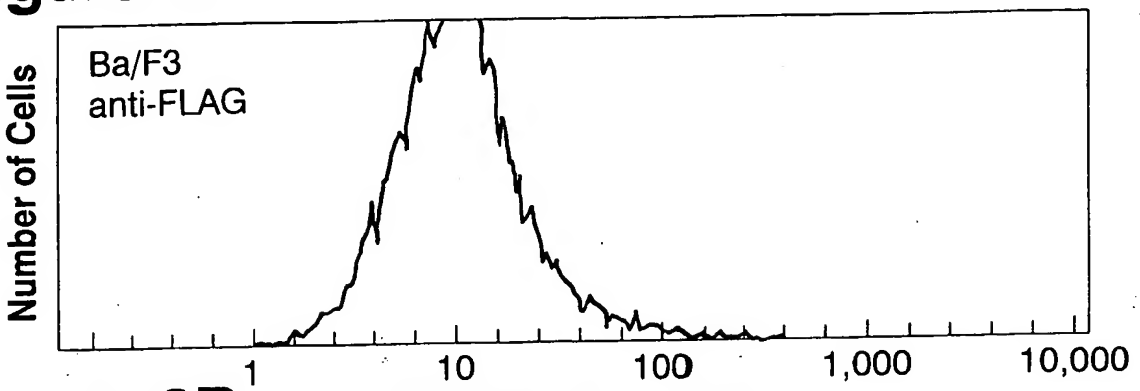


Figure 3B

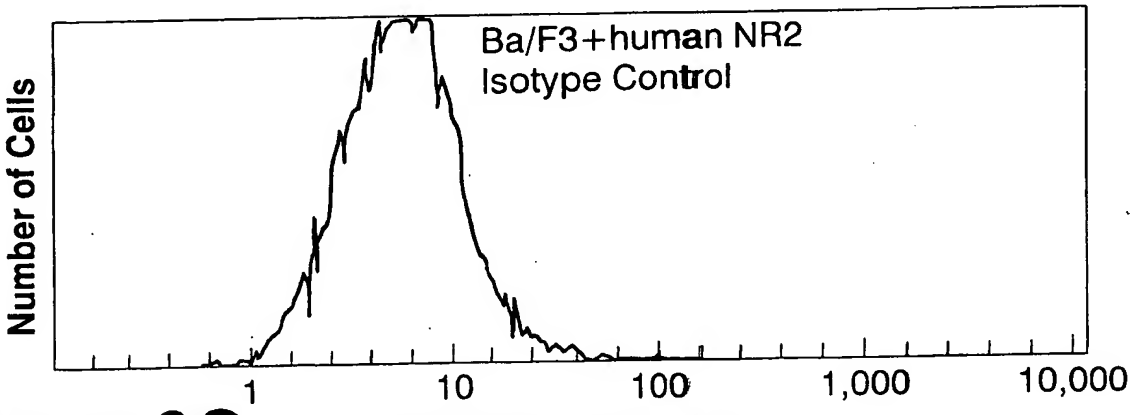


Figure 3C

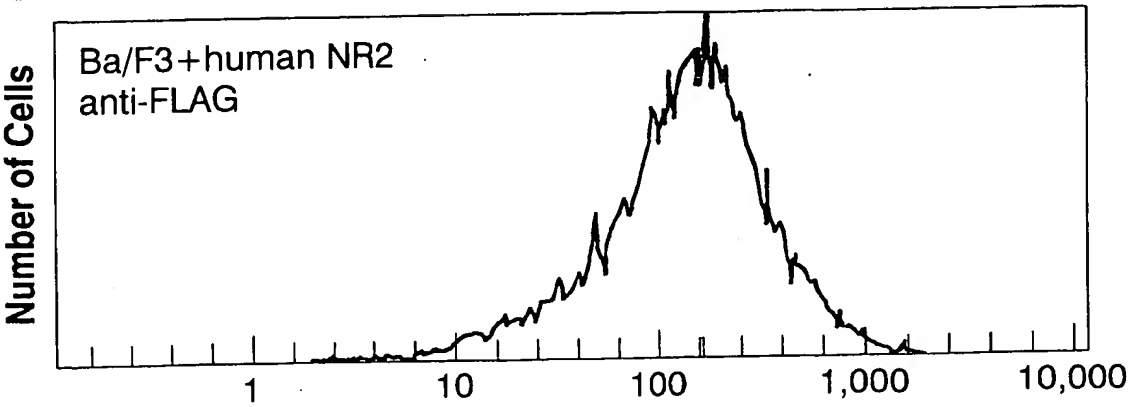


Figure 3D

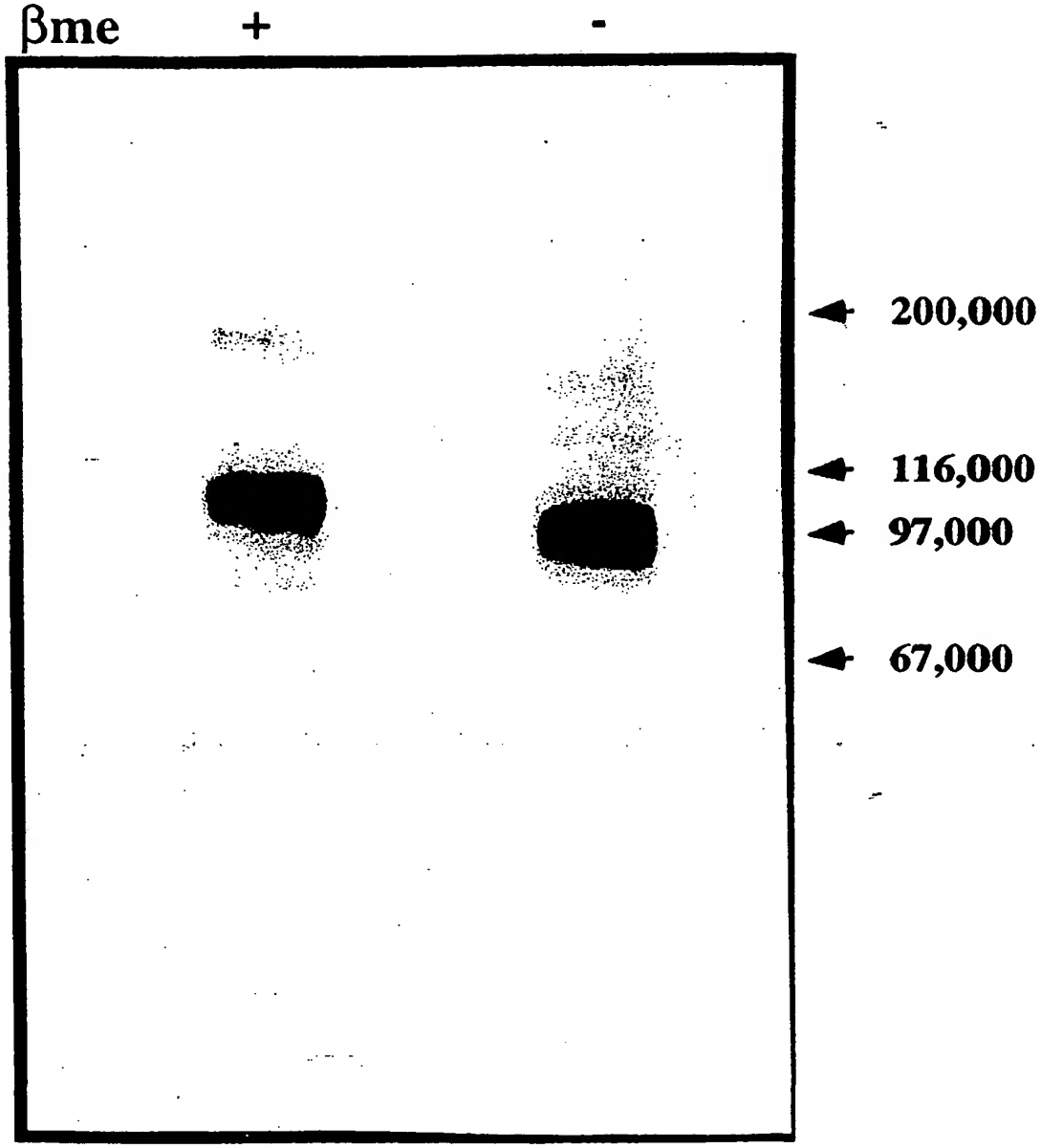


Figure 4

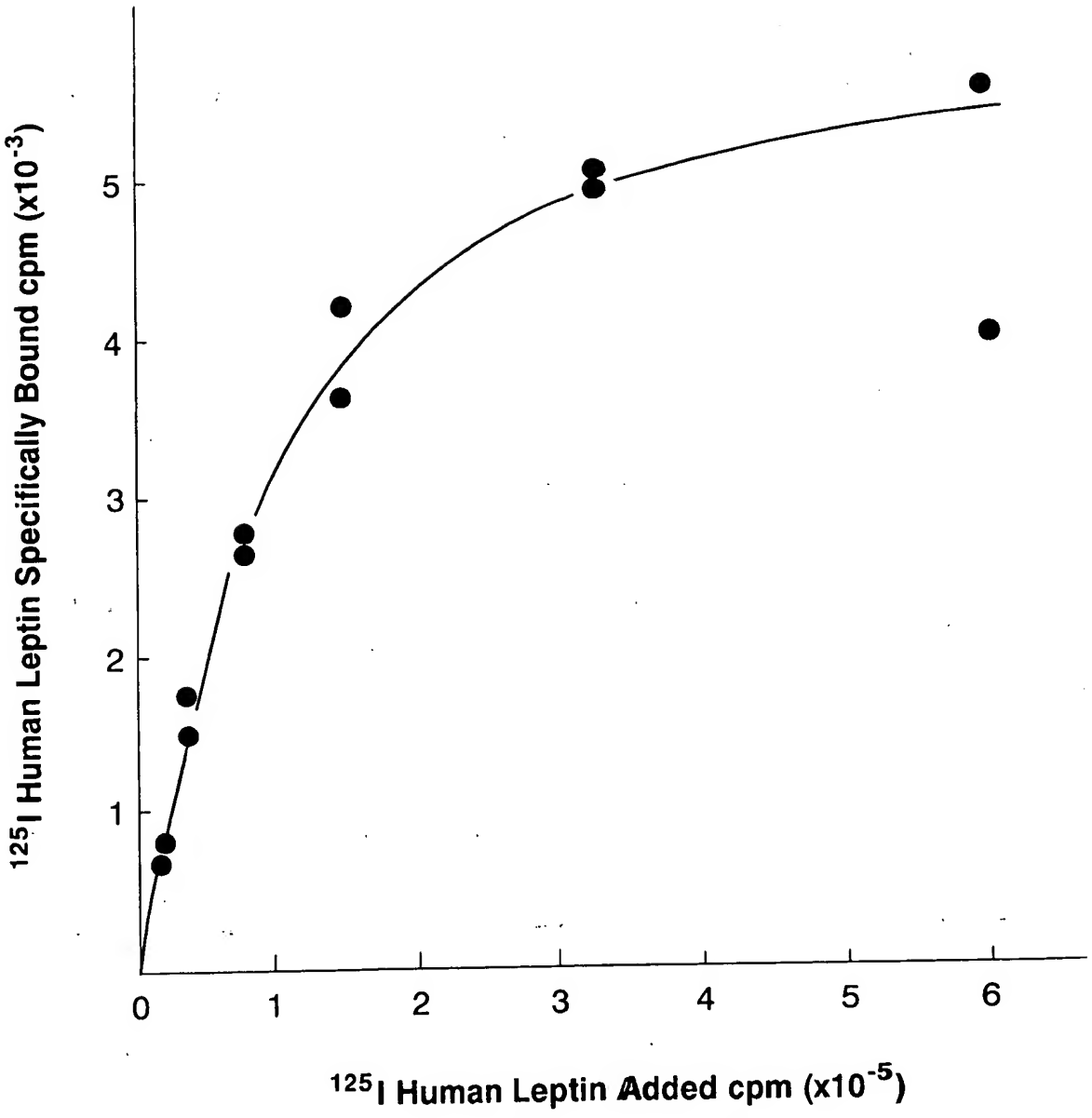


Figure 5A

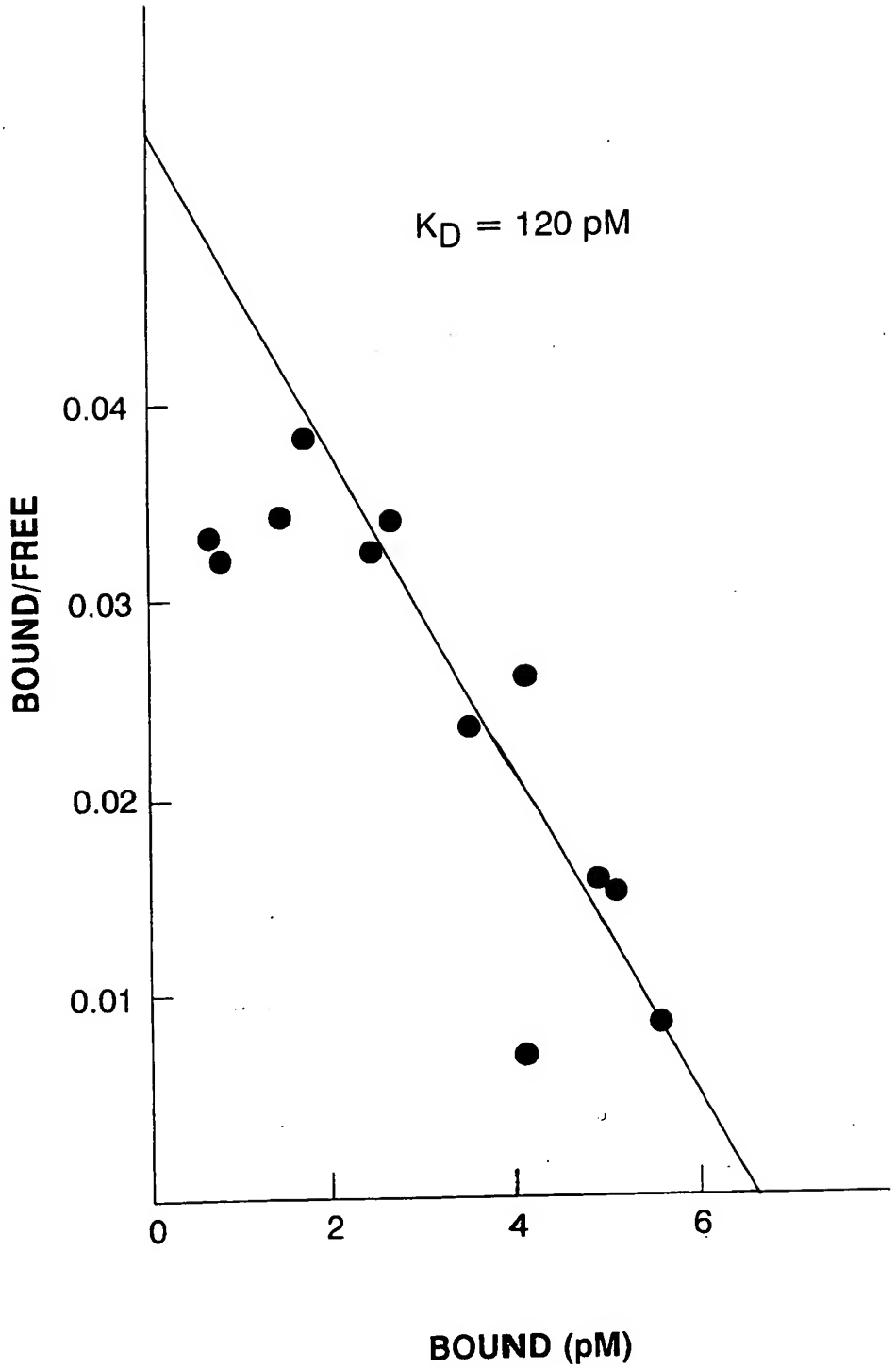


Figure 5B

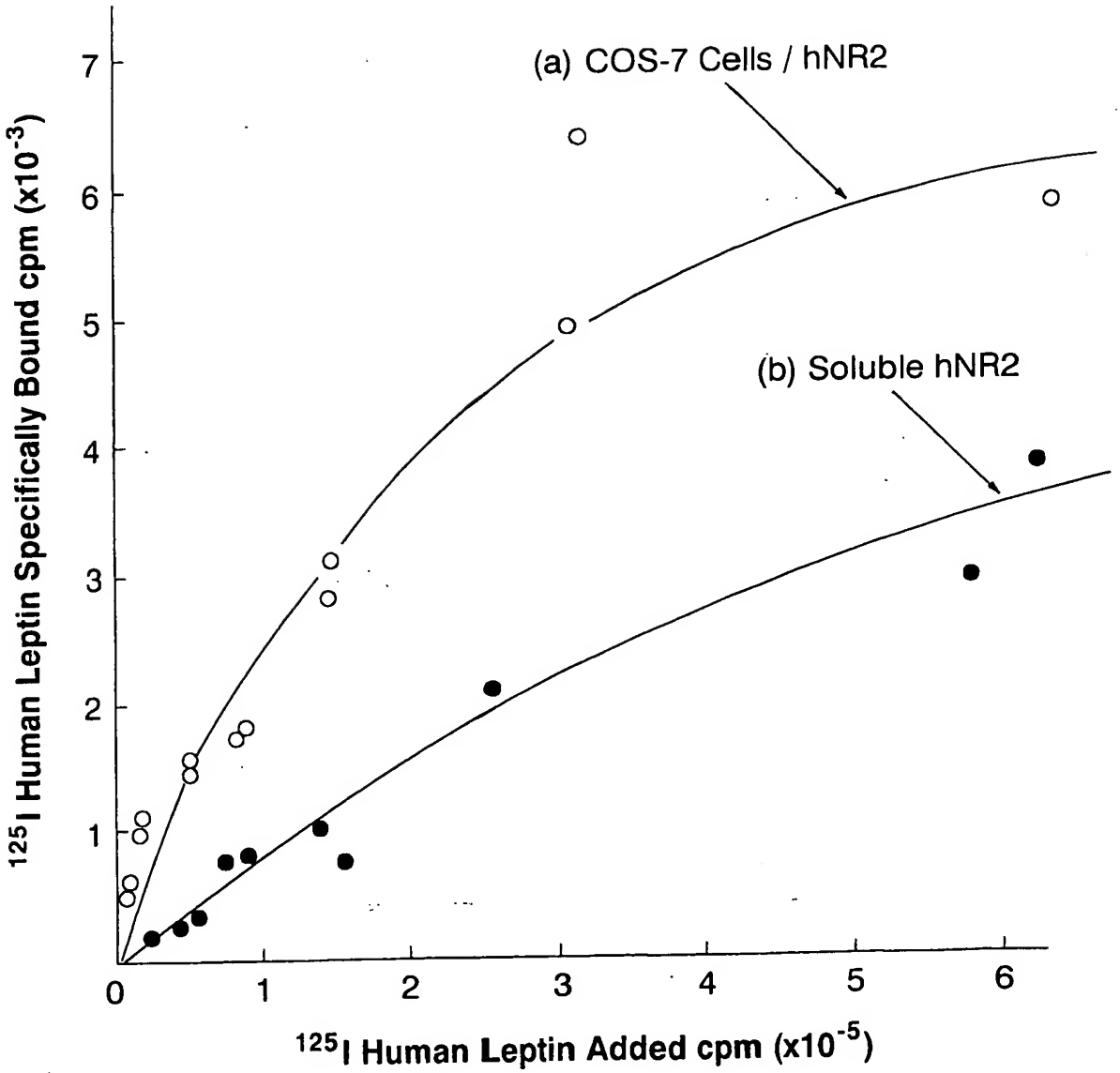
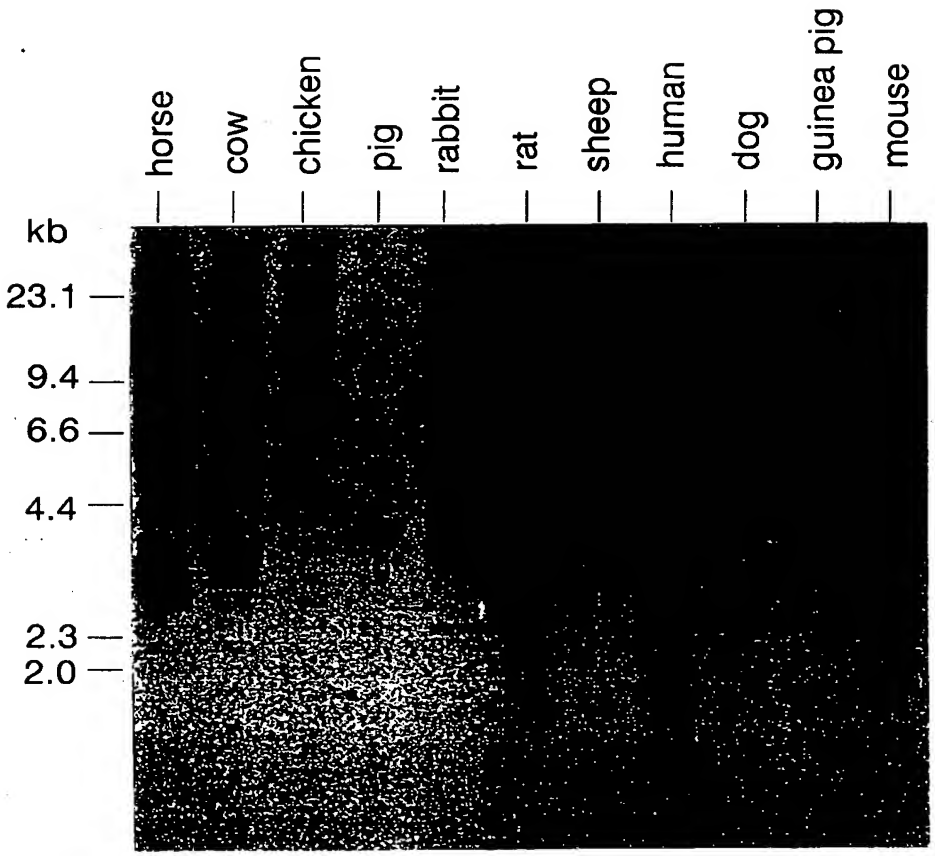


Figure 6



Cross-species conservation of the NR-2 gene

Figure 7

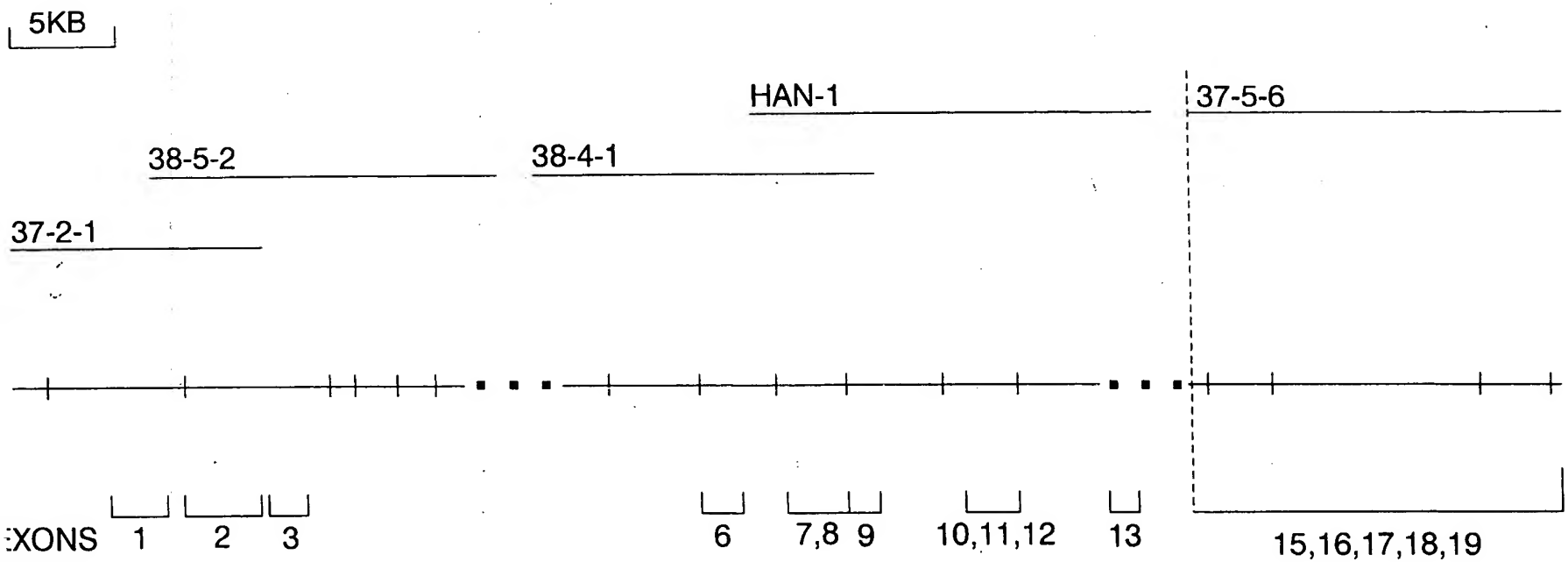
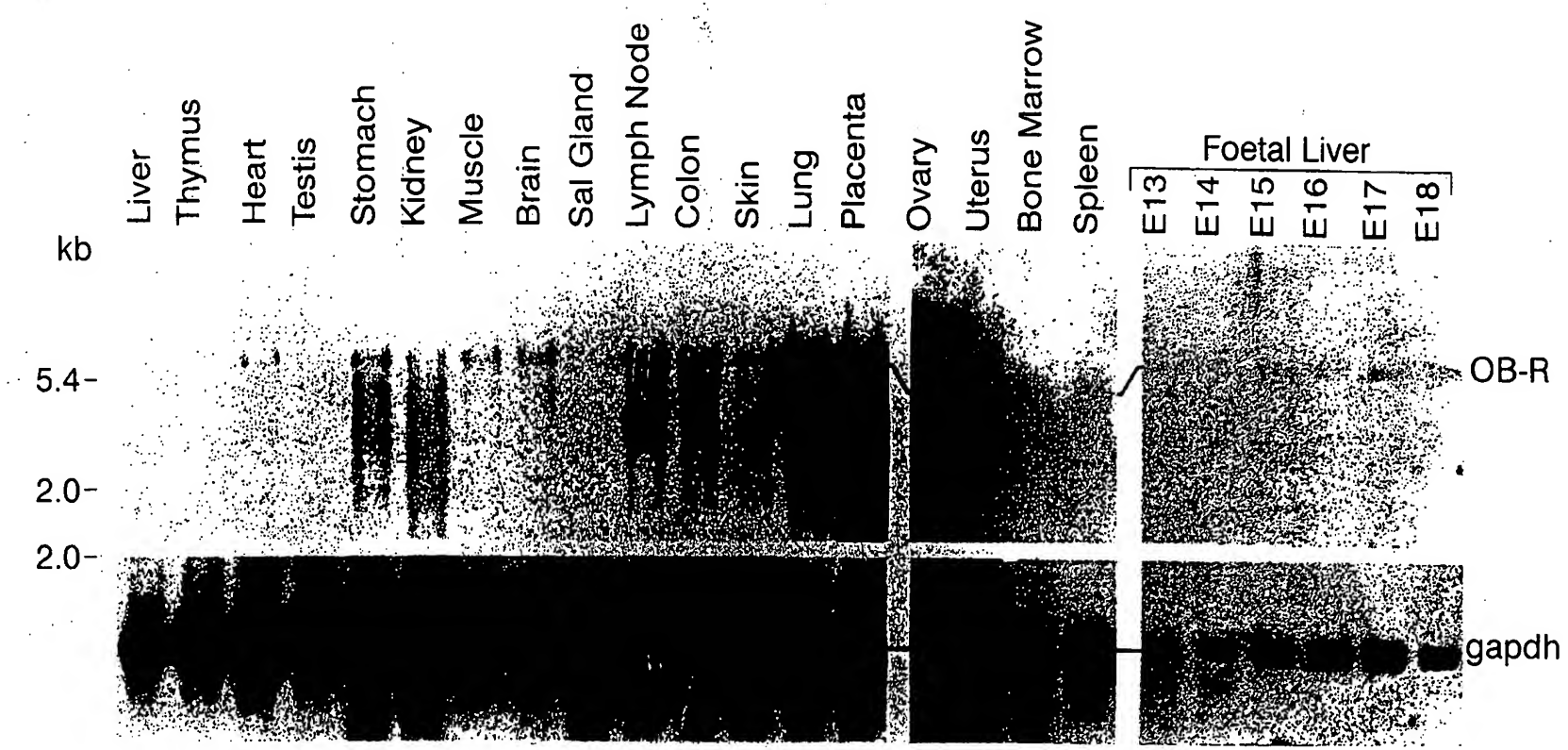


Figure 8



Expression of the Leptin Receptor (NR2) in murine tissues

TOP

Figure 9